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Abstract

Local Geography Educator

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The intent of this project is to produce a mobile application capable of teaching local geography of any place in the world to its users. The meaning of local geography in this context is attributes of villages, city-districts, roads, parks, rivers, schools and such geographic objects – object inside a limited area. The goal was to make a stimulating, entertaining and above all educational application. A design was carefully assembled through an analysis of existing applications with a similar concept, through a review of human factors regarding memory and learning, through an interview with a potential user, among other things. The corresponding application was implemented for Android mobile phones and tablets. The application introduces quiz-based education with well-reasoned solutions to design difficulties also faced by other developers of applications of this kind. The resulting application is likely unique with the functionality to offer education of detailed local geography of any place in the world. A brief evaluation of the educational value of the resulting application had promising results.

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